

ABSTRACT OF THE DISCLOSURE

The present invention refers to the use of novel molecules able to bind tenaciously to silica, borosilicate and silicate surfaces, and thus to modify their properties and characteristics. When applied to silica-based chromatography, it offers important advantages in all cases in which it is necessary to modulate the interaction of analytes with the stationary phase. In capillary zone electrophoresis (CZE), such compounds will eliminate or invert the electroosmotic (EEO) flow, greatly simplifying the analysis of negatively-charged compounds and permitting the analysis of bio(macro)molecules via the direct use of naked capillaries.